

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Joachim ROESLER et al.

Group Art Unit: Unassigned

Application No.: Unassigned

Examiner: Unassigned

Filing Date: February 13, 2004

Confirmation No.: Unassigned

Title: PROCESS FOR STRENGTHEN GRAIN BOUNDARIES OF AN ARTICLE MADE FROM A NI BASED SUPERALLOY

FIRST
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a FIRST Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of _____ is enclosed for the fee due.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

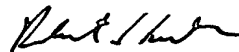
Respectfully submitted,

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Date: February 13, 2004

By



Robert S. Swecker
Registration No. 19,885

BADEN / SWITZERLAND

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Joachim **Roesler**, Steffen **Mueller**

(inventors)

claiming Priority under 35 U.S.C. 119

of application No.: 03405090.6

in: Europe

with filing date of: 2003-02-17

U.S. Serial Number:

U.S. filing date:

Title: Process for strengthen grain boundaries of an article made from Ni based
superalloy

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

Honorable Commissioner of Patents and Trademarks, Washington, D.C. 20231

Sir:

Submitted herewith is a Search Report/Examination Report issued in a corresponding foreign patent application by the

European Patent Office (x)

German Patent Office ()

()

1. We wish to make of record the certain citations listed in the Search Report/Examination Report in accordance with 37 CFR 1.97.

2. The relevance of each listed item with regard to the different claims of the above-identified application according to the opinion of the Search Authority/Examination Authority, is indicated in the Search Report/Examination Report

by reference to certain categories which are explained on the Report sheet
or in MPEP on page 1800 - 55, resp. (x)

3. The claims as filed in the above-identified U.S. patent application

correspond to ☒ (x)

are different from ☐ ()

the claims for which the Search Report/Examination Report has been established.

4. Copies of the references cited are enclosed herewith.

All citations ☒ (x)

All relevant citations except U.S. patents ☐ ()

5. English translations of pertinent portions of any non-English references are enclosed herewith, if such translation is readily available.

6. No copies are enclosed herewith of references, which are characterized by an "A" in the Search Report/Examination Report, since "A" indicates that such reference is not relevant for the invention. ☐ ()

Additionally, copies of the references cited in the specification are enclosed. ☒ (x)

Respectfully submitted,

Date: 2004-02-09

G. Bolis

Giacomo Bolis

Translation of the explanations of enclosure 2 of the search report of the European Patent Office ("Europäisches Patentamt") explaining the symbol letters stating the relevancy of the cited references:

Explanations

Column 1: Category of Named Documents

- X: Reference which by itself is considered to have special significance
- Y: Reference which in combination with another reference in the same category is considered to have special significance
- A: Technological background
- O: Disclosure not in writing
- P: In-between literature
- T: Theories or principles basic to the invention
- E: Older patent document published on or after filing date
- D: Reference cited in the patent application
- L: Reference cited for other reasons
- &: Member of same patent family, corresponding document

Column 2: Identification of document, specifying the relevant portions, if necessary

Column 3: Concerned claims
(In this column, the claims allocated to the relevant passages of column 2 are indicated.)

Column 4: Classification of Application (Int. Cl. 7)

Searched Fields (Int. Cl. 7)

Substitute for form 1449A/PTO & 1449B/PTO			Complete if Known		
FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	Unassigned	
			Filing Date	February 13, 2004	
			First Named Inventor	Joachim ROESLER et al.	
			Examiner Name	Unassigned	
Sheet	1	of	1	Attorney Docket Number	033275-423

U.S. PATENT DOCUMENTS				
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	4,041,196		Baldi et al.	08-09-1977
	4,643,782		Harris et al.	02-17-1987
	5,732,467		White et al.	03-31-1998
	5,759,301		Konter et al.	06-02-1998
	5,783,318		Biondo et al.	07-21-1998
	5,888,451		Konter et al.	03-30-1999
	5,914,059		Marcin, Jr. et al.	06-22-1999
	6,233,822	B1	Grossklaus, Jr. et al.	05-22-2001

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation	
					Yes	No
	1 078 996	A1	Europe	02-28-2001		
	1 186 680	A2	Europe	03-13-2002		
	1 209 247	A1	Europe	05-29-2002		
	2 234 521	A1	Great Britain	02-06-1991		
	95/35396		WO	12-28-1995		

NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	H.J. HUNGER UND G. TRUTE, "Probleme beim Borieren von Ni-Basiswerkstoffen", 1994, pages 215-217.
	S.C. DEEVI and V.K. SIKKA, "Nickel and iron aluminides: an overview on properties, processing, and applications", Intermetallics 4, Elsevier Science Ltd., Great Britain, 1996, pages 357-375.
	ED. R.D. KISSINGER ET AL., Taken from: "Superalloys 1996", Pub. The Minerals, Metals and Materials Society, 1996.

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.